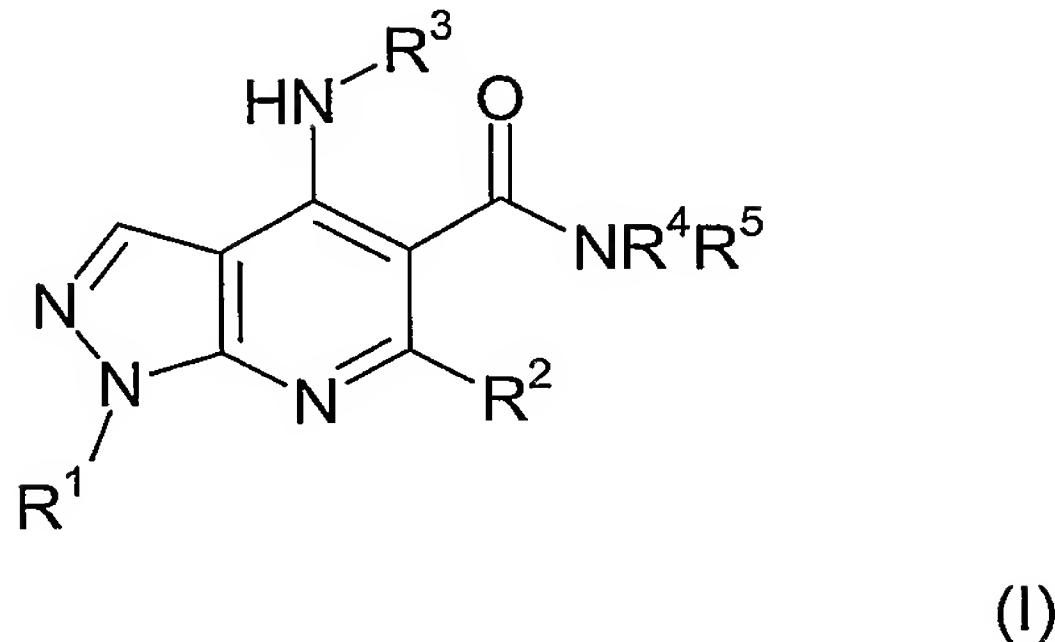


CLAIMS

1. A compound of formula (I) or a salt thereof:



5

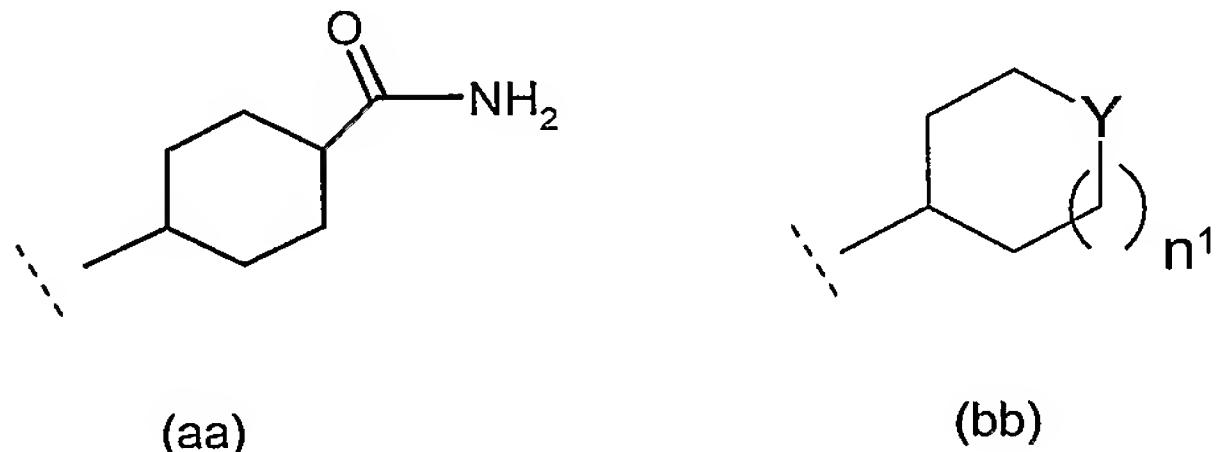
wherein:

R^1 is C_{1-3} alkyl, C_{1-3} fluoroalkyl, or $-CH_2CH_2OH$;

10 R^2 is a hydrogen atom (H), methyl or C_1 fluoroalkyl;

R^3 is a 4-(aminocarbonyl)cyclohexyl (i.e. 4-(aminocarbonyl)cyclohexan-1-yl) group of sub-formula (aa), or an N-aminocarbonyl-piperidinyl or -pyrrolidinyl group of sub-formula (bb):

15

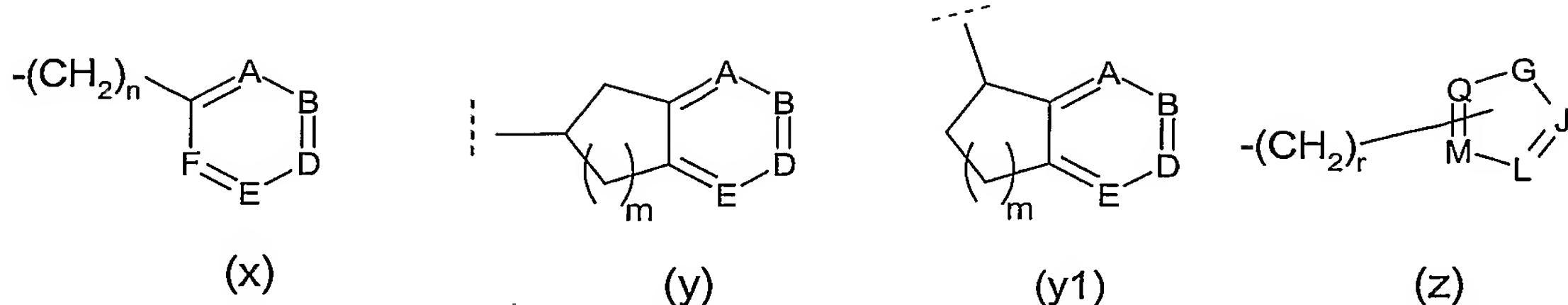


wherein Y is $NCONH_2$ and n^1 is 0 or 1;

20 and wherein the cyclohexyl group of sub-formula (aa) or the piperidinyl or pyrrolidinyl groups of sub-formula (bb) is not further substituted on any ring carbon;
 R^4 is a hydrogen atom (H);

25 R^5 is a group of the sub-formula (x), (y), (y1) or (z):

25



wherein in sub-formula (x), $n = 0, 1$ or 2 ; in sub-formula (y) and (y1), $m = 1$ or 2 ; and in sub-formula (z), $r = 0, 1$ or 2 ;

5

wherein in sub-formula (x) and (y) and (y1), none, one or two of A, B, D, E and F are nitrogen; and the remaining of A, B, D, E and F are independently CH or CR^6 ;

wherein, each R^6 , independently of any other R^6 present, is: a halogen atom; C_{1-6} alkyl ;

10 C_{1-4} fluoroalkyl; C_{1-4} alkoxy; C_{1-2} fluoroalkoxy; C_{3-6} cycloalkyloxy; $-C(O)R^{16a}$;
 $-C(O)OR^{30}$; $-S(O)_2-R^{16a}$; $R^{16a}-S(O)_2-NR^{15a}-$; $R^7R^8N-S(O)_2-$;
 C_{1-2} alkyl- $C(O)-R^{15a}N-S(O)_2-$; C_{1-4} alkyl- $S(O)-$, $Ph-S(O)-$, R^7R^8N-CO- ;
 $-NR^{15}-C(O)R^{16a}$; R^7R^8N ; OH; C_{1-4} alkoxymethyl; C_{1-4} alkoxyethyl;
 C_{1-2} alkyl- $S(O)_2-CH_2-$; $R^7R^8N-S(O)_2-CH_2-$; C_{1-2} alkyl- $S(O)_2-NR^{15a}-CH_2-$;
15 $-CH_2-OH$; $-CH_2CH_2-OH$; $-CH_2-NR^7R^8$; $-CH_2-CH_2-NR^7R^8$; $-CH_2-C(O)OR^{30}$;
 $-CH_2-C(O)-NR^7R^8$; $-CH_2-NR^{15a}-C(O)-C_{1-3}$ alkyl; $-(CH_2)_n^{14}-Het^1$ where n^{14} is 0 or 1 ;
 cyano (CN); Ar^{5b} ; or phenyl, pyridinyl or pyrimidinyl wherein the phenyl, pyridinyl or pyrimidinyl independently are optionally substituted by one or two of fluoro, chloro, C_{1-2} alkyl, C_1 fluoroalkyl, C_{1-2} alkoxy or C_1 fluoroalkoxy;

20

or where two adjacent R^6 taken together are $-O-(CMe_2)-O-$ or $-O-(CH_2)_n^{14a}-O-$ where n^{14a} is 1 or 2 ;

25 wherein sub-formula (y) and (y1), independently, are optionally substituted by oxo ($=O$) at a ring carbon adjacent the 6-membered aromatic ring;

wherein in sub-formula (z), G is O or S or NR^9 wherein R^9 is a hydrogen atom (H), C_{1-4} alkyl or C_{1-4} fluoroalkyl; none, one, two or three of J, L, M and Q are nitrogen; and the remaining of J, L, M and Q are independently CH or CR^6 where R^6 , independently of any other R^6 present, is as defined herein;

and wherein:

35 R^7 and R^8 are independently a hydrogen atom (H); C_{1-4} alkyl; C_{3-6} cycloalkyl; or phenyl optionally substituted by one or two substituents independently being: fluoro, chloro, C_{1-2} alkyl, C_1 fluoroalkyl, C_{1-2} alkoxy or C_1 fluoroalkoxy;

or R⁷ and R⁸ together are -(CH₂)_n⁶- or -C(O)-(CH₂)_n⁷- or -C(O)-(CH₂)_n¹⁰-C(O)- or -(CH₂)_n⁸-X⁷-(CH₂)_n⁹- or -C(O)-X⁷-(CH₂)_n¹⁰- in which: n⁶ is 3, 4, 5 or 6, n⁷ is 2, 3, 4, or 5, n⁸ and n⁹ and n¹⁰ independently are 2 or 3, and X⁷ is O or NR¹⁴;

5

R^{7a} is a hydrogen atom (H) or C₁₋₄alkyl;

R^{8a} is a hydrogen atom (H) or methyl;

10 R¹⁴, independent of other R¹⁴, is a hydrogen atom (H); C₁₋₄alkyl; C₁₋₂fluoroalkyl; cyclopropyl; -C(O)-C₁₋₄alkyl; -C(O)NR^{7a}R^{8a}; or -S(O)₂-C₁₋₄alkyl;

R¹⁵, independent of other R¹⁵, is a hydrogen atom (H); C₁₋₄alkyl; C₃₋₆cycloalkyl; or phenyl optionally substituted by one or two of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, 15 C₁₋₂alkoxy or C₁fluoroalkoxy;

R^{15a}, independent of other R^{15a}, is a hydrogen atom (H) or C₁₋₄alkyl;

R^{16a} is:

20 C₁₋₆alkyl; C₃₋₆cycloalkyl optionally substituted by one oxo (=O), OH or C₁₋₂alkyl substituent; C₃₋₆cycloalkyl-CH₂-;

pyridinyl optionally substituted on a ring carbon atom by one of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy;

25 Ar^{5c}; phenyl optionally substituted by one or two substituents independently being: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy; benzyl optionally substituted on its ring by one or two substituents independently being: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy; or

30 a 4-, 5-, 6- or 7-membered saturated heterocyclic ring connected at a ring-carbon and containing one or two ring-hetero-atoms independently selected from O, S, and N; wherein any ring-nitrogens which are present are present as NR²⁷ where R²⁷ is H, C₁₋₂alkyl or -C(O)Me; and wherein the ring is optionally substituted at carbon by one C₁₋₂alkyl or oxo (=O) substituent, provided that any oxo (=O) substituent is substituted at a ring-carbon atom bonded to a ring-nitrogen;

35 R³⁰, independent of other R³⁰, is a hydrogen atom (H), C₁₋₄alkyl or C₃₋₆cycloalkyl;

40 Ar^{5b} and Ar^{5c} independently is/are a 5-membered aromatic heterocyclic ring containing one O, S or NR^{15a} in the 5-membered ring, wherein the 5-membered ring can optionally

additionally contain one or two N atoms, and wherein the heterocyclic ring is optionally substituted on a ring carbon atom by one of: a halogen atom, C₁₋₂alkyl, C₁fluoroalkyl, -CH₂OH, -CH₂-OC₁₋₂alkyl, OH (including the keto tautomer thereof) or -CH₂-NR²⁸R²⁹ wherein R²⁸ and R²⁹ independently are H or methyl; and

5

Het¹ is a 4-, 5-, 6- or 7-membered saturated heterocyclic ring connected at a ring-carbon and containing one or two ring-hetero-atoms independently selected from O, S, and N; wherein any ring-nitrogens which are present are present as NR³¹ where R³¹ is H, C₁₋₂alkyl or -C(O)Me; and wherein the ring is optionally substituted at carbon by one C₁₋₂alkyl or oxo (=O) substituent, provided that any oxo (=O) substituent is substituted at a ring-carbon atom bonded to a ring-nitrogen.

10

2. A compound or salt as claimed in claim 1, wherein R¹ is C₂₋₃alkyl, C₂fluoroalkyl or -CH₂CH₂OH.

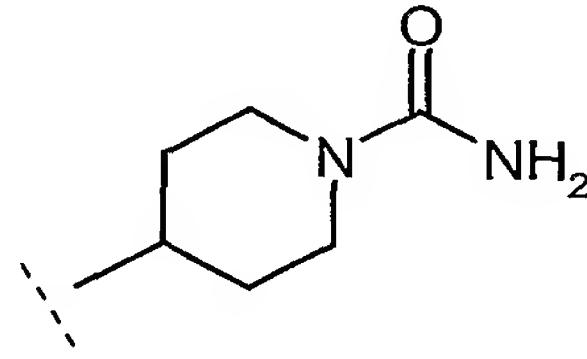
15

3. A compound or salt as claimed in claim 2, wherein R¹ ethyl.

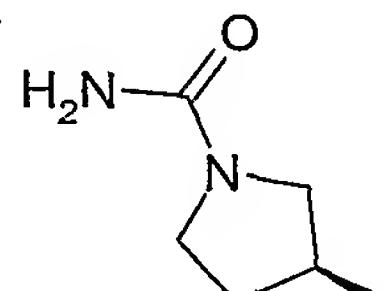
20

4. A compound or salt as claimed in claim 1, 2 or 3, wherein R² is a hydrogen atom (H).

5. A compound or salt as claimed in claim 1, 2, 3 or 4, wherein:



25 R³ is a group of sub-formula (bb) and is , or

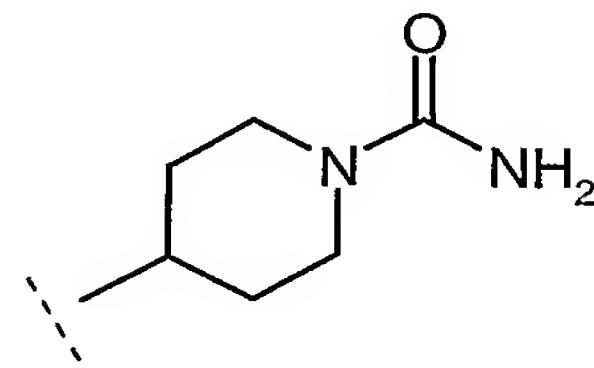


NHR³ is (wherein the -NH- connection point is underlined, and including mixtures of configurations wherein the illustrated configuration is the major component), or

30 NHR³ is a *cis*-[4-(aminocarbonyl)cyclohexan-1-yl]amino group (including mixtures of configurations wherein the stated *cis* configuration is the major component), or

NHR³ is a racemic [4-(aminocarbonyl)cyclohexan-1-yl]amino group.

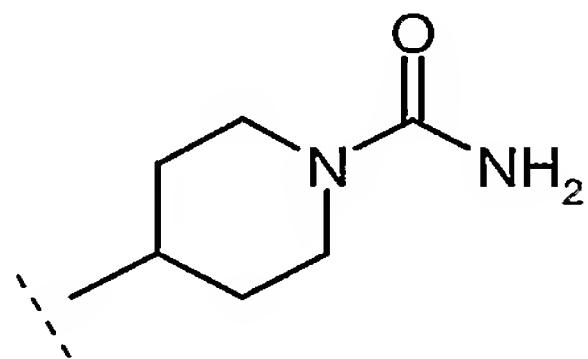
6. A compound or salt as claimed in claim 5, wherein:



R³ is a group of sub-formula (bb) and is , or

5 NHR³ is a *cis*-[4-(aminocarbonyl)cyclohexan-1-yl]amino group (including mixtures of configurations wherein the stated *cis* configuration is the major component).

7. A compound or salt as claimed in claim 6, wherein R³ is a group of sub-formula (bb) and is:



10 .

8. A compound or salt as claimed in any preceding claim, wherein:

15 R⁷ and R⁸ independently are a hydrogen atom (H) or C₁₋₂alkyl; or R⁷ and R⁸ together are -(CH₂)_n⁶- or -(CH₂)_n⁸-X⁷-(CH₂)_n⁹- wherein X⁷ is NR¹⁴ or O, n⁶ is 4 or 5, and n⁸ and n⁹ are both 2;

R¹⁴ is H, C₁₋₂alkyl, or -C(O)Me;

20

R¹⁵, independent of other R¹⁵, is a hydrogen atom (H) or C₁₋₂alkyl;

R^{15a} is a hydrogen atom (H) or C₁₋₂alkyl; and

25

R^{16a} is C₁₋₄alkyl.

9. A compound or salt as claimed in any preceding claim, wherein R⁵ is a group of sub-formula (x) or (z).

30

10. A compound or salt as claimed in any preceding claim, wherein when R⁵ has the sub-formula (z),
none, one or two of J, L, M and Q are nitrogen,

one or none of J, L, M or Q is CR⁶,
R⁹ is a hydrogen atom (H) or methyl,
r is 1,
and, for sub-formula (z), R⁶ is independently OH (including any keto tautomer thereof),
or C₁₋₂alkyl or C₁fluoroalkyl.

5

11. A compound or salt as claimed in any preceding claim, wherein R⁵ is a group of sub-formula (x), and in sub-formula (x), none or one of A, B, D, E and F are nitrogen; none, one or two of A, B, D, E and F are CR⁶; and the remaining of A, B, D, E and F are CH.

10

12. A compound or salt as claimed in claim 11, wherein R⁵ has the sub-formula (x), n is 1 and each of A, B, D, E and F is independently CH or CR⁶.

15 13. A compound or salt as claimed in claim 11, wherein R⁵ is a group of sub-formula (x) and is benzyl optionally substituted on the phenyl ring with one or two R⁶ substituents.

20 14. A compound or salt as claimed in any preceding claim, wherein, in sub-formula (x), (y), (y1) and (z), each R⁶, independently of any other R⁶ present, is a fluorine, chlorine, bromine or iodine atom, methyl, ethyl, n-propyl, isopropyl, isobutyl, trifluoromethyl, -CH₂OH, methoxy, ethoxy, C₁fluoroalkoxy, C₁₋₃alkylS(O)₂-, C₁₋₃alkylS(O)₂-NH-, Me₂N-S(O)₂-, H₂N-S(O)₂-, -CONH₂, or C₁₋₃alkylS(O)₂-CH₂-.

25 15. A compound or salt as claimed in any preceding claim, wherein, in sub-formula (x), (y), (y1) and (z), each R⁶, independently of any other R⁶ present, is a fluorine, chlorine or bromine atom, methyl, ethyl, n-propyl, isopropyl, trifluoromethyl, -CH₂OH, methoxy, difluoromethoxy, methylsulphonyl, methyl-SO₂-NH- or methyl-SO₂-CH₂-.

30 16. A compound or salt as claimed in any preceding claim, wherein R⁵ has the sub-formula (x) and is: benzyl, (monoalkyl-phenyl)methyl, [mono(fluoroalkyl)-phenyl]methyl, (monohalo-phenyl)methyl, (monoalkoxy-phenyl)methyl, [mono(fluoroalkoxy)-phenyl]methyl, [mono(N,N-dimethylamino)-phenyl]methyl, [mono(methyl-SO₂-NH-)-phenyl]methyl, [mono(methyl-SO₂-)-phenyl]methyl, (dialkyl-phenyl)methyl, (monoalkyl-monohalo-phenyl)methyl, [mono(fluoroalkyl)-monohalo-phenyl]methyl, (dihalo-phenyl)methyl, (dihalo-monoalkyl-phenyl)methyl, [dihalo-mono(hydroxymethyl)-phenyl]methyl, or (dialkoxy-phenyl)methyl.

35

40 17. A compound or salt as claimed in claim 16, wherein R⁵ is: (monoC₁₋₃alkyl-phenyl)methyl;

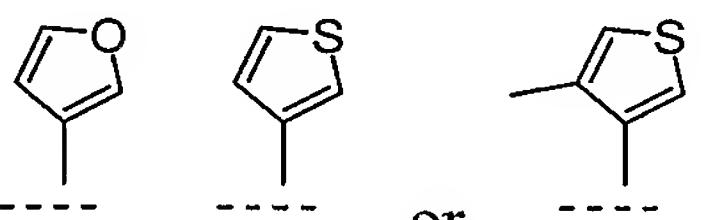
(monoC₁fluoroalkyl-phenyl)methyl;
 (monoC₁₋₂alkoxy-phenyl)methyl;
 [mono(C₁fluoroalkoxy)-phenyl]methyl;
 (diC₁₋₂alkyl-phenyl)methyl;
 5 (monoC₁₋₂alkyl-monohalo-phenyl)methyl;
 (dihalo-phenyl)methyl;
 (dihalo-monoC₁₋₂alkyl-phenyl)methyl; or
 [dihalo-mono(hydroxymethyl)-phenyl]methyl.

10 18. A compound or salt as claimed in claim 13, wherein R⁵ is of sub-formula (x) and
 is: benzyl optionally substituted on the phenyl ring with one or two R⁶ substituents;
 wherein one of the R⁶ is: Ar^{5b}, or phenyl or pyridinyl wherein the phenyl or pyridinyl
 independently are optionally substituted by one of fluoro, chloro, C₁₋₂alkyl,
 C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy; and wherein Ar^{5b} is a 5-membered
 15 aromatic heterocyclic ring containing one O, S or NR^{15a} in the 5-membered ring,
 wherein the 5-membered ring can optionally additionally contain one N atom, and
 wherein the heterocyclic ring is optionally substituted on a ring carbon atom by one of
 C₁₋₂alkyl or C₁fluoroalkyl.

20 19. A compound or salt as claimed in claim 18, wherein:

in sub-formula (x), A is CR⁶, wherein the R⁶ at position A is the Ar^{5b} or the optionally
 substituted phenyl or pyridinyl, and

25 when the R⁶ at position A is optionally substituted phenyl or pyridinyl, it is phenyl or
 pyridinyl independently optionally substituted at the 3- or 4-position by one of fluoro,
 chloro, C₁₋₂alkyl, C₁fluoroalkyl, C₁₋₂alkoxy or C₁fluoroalkoxy; and



when the R⁶ at position A is Ar^{5b} then it is , , or .

30

20. A compound or salt as claimed in any preceding claim, which is not
 4- {[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(3,4-dimethylphenyl)methyl]-1-ethyl-
 1H-pyrazolo[3,4-b]pyridine-5-carboxamide or a salt thereof.

35

21. A compound or salt as claimed in claim 1, which is:

4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(2,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[4-(methyloxy)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
5 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(3,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[cis-4-(aminocarbonyl)cyclohexyl]amino}-N-[(3,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
10 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(2,4-difluorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[4-(trifluoromethyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
15 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[4-hydroxyphenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-(phenylmethyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[2-(methylsulfonyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
20 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[3-hydroxyphenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(2,3-dichlorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
25 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(2,3-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-(2-biphenylylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(4-chloro-2-fluorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
30 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-{{[4-(difluoromethyl)oxy]phenyl}methyl}-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(4-chloro-2-methylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
35 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(4'-chloro-4-biphenylyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[4-(methylsulfonyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
40 4-{{[1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{[4'-(trifluoromethyl)-2-biphenylyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,

4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(4-chlorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-(4-biphenylylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
5 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{4'-(ethyloxy)-4-biphenylyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-(3-biphenylylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{4'-(trifluoromethyl)-4-biphenylyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
10 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(3'-methyl-2-biphenylyl)methyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{3'-(methyloxy)-2-biphenylyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
15 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(3'-chloro-2-biphenylyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(4'-chloro-2-biphenylyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(4'-methyl-2-biphenylyl)methyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
20 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{4'-(methyloxy)-2-biphenylyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{2-(3-furanyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
25 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{2-[6-(methyloxy)-3-pyridinyl]phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{2-(3-thienyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{2-(4-methyl-3-thienyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
30 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-[(5-methyl-2-biphenylyl)methyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{4-methyl-2-(3-thienyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
35 4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-1-ethyl-N-{{2-(3-furanyl)-4-methylphenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{1-(aminocarbonyl)-4-piperidinyl]amino}-N-[(3'-chloro-5-methyl-2-biphenylyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[cis-4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
40 4-{{[trans-4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,

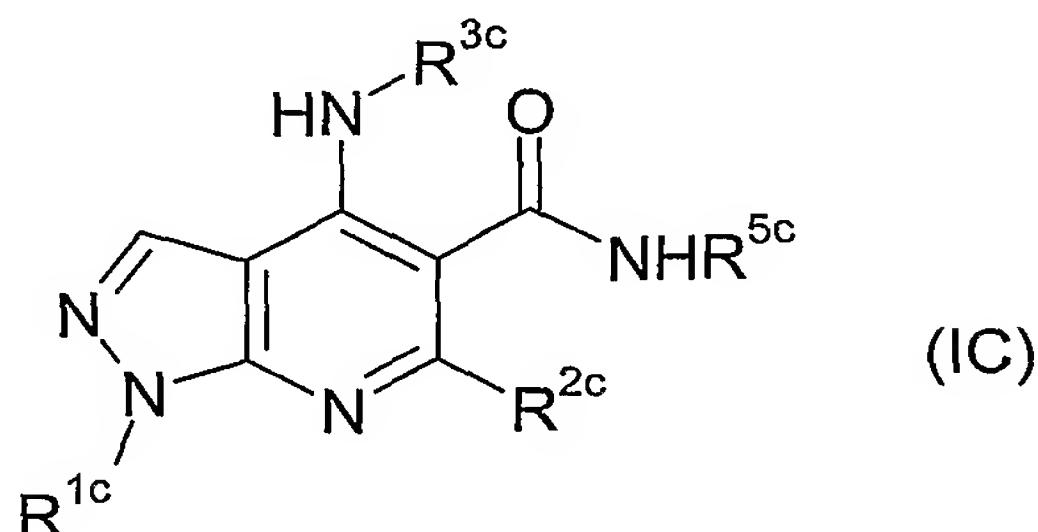
4-{{[*cis*-4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-{{[4-(methyloxy)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-{{[4-(methylsulfonyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
5 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,3-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-(2-biphenylylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(4-chloro-2-fluorophenyl)methyl]-1-ethyl-1H-
10 1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,3-dichlorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-{{[2-(methylsulfonyl)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
15 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(4-chlorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-{{[4-(methyloxy)phenyl]methyl}-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-(4-biphenylylmethyl)-1-ethyl-1H-
20 20 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(4-hydroxyphenyl)methyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-(phenylmethyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
25 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(2,4-difluorophenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-{{[4-[(difluoromethyl)oxy]phenyl]methyl}-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-(3-biphenylylmethyl)-1-ethyl-1H-
30 30 4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-[(4-fluorophenyl)methyl]-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(4-chloro-2-methylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-[(4'-chloro-4-biphenylyl)methyl]-1-ethyl-
35 35 1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-{{[2,3-dichloro-6-(hydroxymethyl)phenyl]methyl}-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
4-{{[4-(aminocarbonyl)cyclohexyl]amino}-N-{{[3,4-bis(methyloxy)phenyl]methyl}-1-
40 40 4-{{[(3S)-1-(aminocarbonyl)-3-pyrrolidinyl]amino}-N-[(2,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide, or

4-{[(3S)-1-(aminocarbonyl)-3-pyrrolidinyl]amino}-N-[(3,4-dimethylphenyl)methyl]-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide;

or a pharmaceutically acceptable salt thereof.

5

22. A compound of formula (IC) or a salt thereof:



10 wherein:

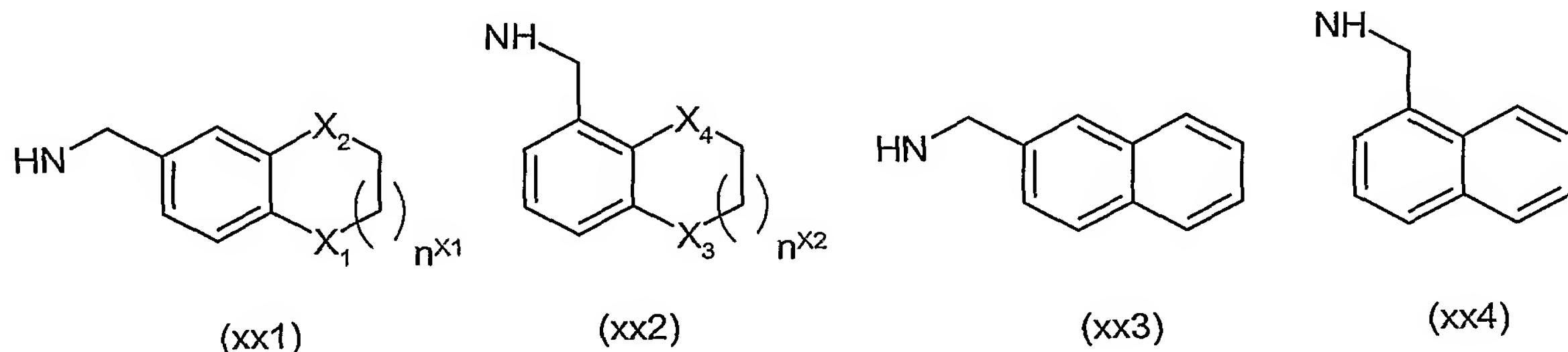
R^{1c} is ethyl or C₂fluoroalkyl;

15 R^{2c} is a hydrogen atom (H) or methyl;

NHR^{3c} is a [1-(aminocarbonyl)-4-piperidinyl]amino group, a *cis*-[4-(aminocarbonyl)cyclohexan-1-yl]amino group (including mixtures of configurations wherein the stated *cis* configuration is the major component), or a racemic [4-(aminocarbonyl)cyclohexan-1-yl]amino group;

20

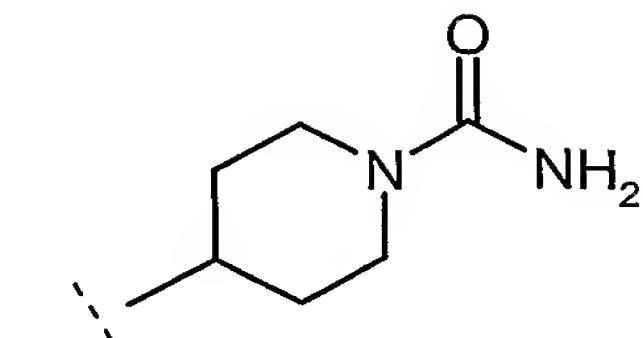
and NHR^{5c} is of sub-formula (xx1), (xx2), (xx3) or (xx4):



25 wherein n^{X1} and n^{X2} independently are 0 or 1, and X₁, X₂, X₃ and X₄ independently are CH₂ or O, provided that one or both of X₁ and X₂ are CH₂, and provided that one or both of X₃ and X₄ are CH₂.

23. A compound or salt as claimed in claim 22, wherein

30 R^{1c} is ethyl; R^{2c} is a hydrogen atom (H);



R^{3c} is (that is, NHR^{3c} is a [1-(aminocarbonyl)-4-piperidinyl]amino group); and and NHR^{5c} is of sub-formula (xx1) or (xx2).

5 24. A compound or salt as claimed in claim 22, which is:

4-{[1-(aminocarbonyl)-4-piperidinyl]amino}-N-(2,3-dihydro-1-benzofuran-5-ylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide,
 4-{[4-(aminocarbonyl)cyclohexyl]amino}-1-ethyl-N-(5,6,7,8-tetrahydro-1-naphthalenylmethyl)-1H-pyrazolo[3,4-b]pyridine-5-carboxamide, or
 4-{[4-(aminocarbonyl)cyclohexyl]amino}-N-(2,3-dihydro-1-benzofuran-5-ylmethyl)-1-ethyl-1H-pyrazolo[3,4-b]pyridine-5-carboxamide;

or a pharmaceutically acceptable salt thereof.

15 25. A pharmaceutical composition comprising a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any of claims 1 to 21, and one or more pharmaceutically acceptable carriers and/or excipients.

20 26. A compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any of claims 1 to 21, for use as an active therapeutic substance in a mammal.

25 27. A compound of formula (I) or a pharmaceutically acceptable salt thereof, as claimed in any of claims 1 to 21, for in the treatment and/or prophylaxis of an inflammatory and/or allergic disease in a mammal, or for use in the treatment and/or prophylaxis of cognitive impairment or depression in a mammal.

30 28. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any of claims 1 to 21, in the manufacture of a medicament for the treatment and/or prophylaxis of an inflammatory and/or allergic disease in a mammal, or for the treatment and/or prophylaxis of cognitive impairment or depression in a mammal.

35 29. The use of a compound of formula (I) or a pharmaceutically acceptable salt thereof, as defined in any of claims 1 to 21, in the manufacture of a medicament for the treatment and/or prophylaxis of asthma, chronic obstructive pulmonary disease (COPD), atopic dermatitis, urticaria, allergic rhinitis, allergic conjunctivitis, vernal conjunctivitis, eosinophilic granuloma, psoriasis, rheumatoid arthritis, septic shock, ulcerative colitis, Crohn's disease, reperfusion injury of the myocardium and brain, chronic

glomerulonephritis, endotoxic shock, adult respiratory distress syndrome, multiple sclerosis, cognitive impairment in a neurological disorder, depression, or inflammatory pain in a human.

5 30. The use as claimed in claim 29, wherein the medicament is for the treatment and/or prophylaxis of chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis, psoriasis or atopic dermatitis in a human.

10 31. A method of treatment and/or prophylaxis of an inflammatory and/or allergic disease, cognitive impairment or depression in a human in need thereof, which method comprises administering to the human a therapeutically effective amount of a compound of formula (I) or a pharmaceutically acceptable salt thereof as defined in any of claims 1 to 21.

15 32. A method as claimed in claim 31, which is a method of treatment and/or prophylaxis of chronic obstructive pulmonary disease (COPD), asthma, rheumatoid arthritis, allergic rhinitis, psoriasis or atopic dermatitis in a human in need thereof.